

LISTING OF CLAIMS

1. [Amended] A communication network, comprising:
a plurality of server devices for providing a plurality of services to the network, where
each service of the plurality of services has a corresponding service address;
and
~~at least one~~ a client device ~~that configured to~~ accesses a first service of the plurality of
services by first-accessing a service point map to obtain the corresponding
service address for the first service, wherein the service point map comprises a
listing of at least one service of the plurality of services available on the
network and the corresponding service address information for each service of
the at least one service.

2. [Amended] The communication network of claim 1 further comprising a
service point map manager device to intermittently generate a current service point map
identifying ~~the at least one connected~~ services and corresponding address information for the
at least one connected services connected to the network, where each respective server device
of the server devices sends corresponding address information for each service at the
respective server device to the service point map manager and ~~each the~~ client device collects a
the current service point map from the service point map manager device when the client
device connects to the network.

3. [Amended] The communication network of claim 2, wherein the [[a]] service
point map manager device selects the at least one connected services ~~and corresponding~~
~~service address information~~ for inclusion in the current service point map using server load
balancing techniques.

4. [Amended] The communication network of claim 3, wherein the server load
balancing techniques are implemented by supplying a first service point map to the client
device, wherein the first service point map that has already been processed for load balancing
~~wherein all entries have been removed except for targeted address information.~~

5. [Amended] The communication network of claim 3, wherein the server load balancing techniques are implemented by supplying a first service point map to the client device, wherein that contains all possible entries, where the entry for any service which needs load balancing contains script code in a service specified data field which the client device runs in order a script code in the first service point map to select the at least one connected service the appropriate entry.

6. [Amended] The communication network of claim 2, wherein the [[a]] service point map manager device selects the at least one connected services and corresponding service address information for inclusion in the current service point map based on the topographical location of the client device in the network.

7. [Amended] The communication network of claim 1, wherein the service point map includes supplemental service identification data comprising a client epoch value for at least a first-second service identified in the service point map, wherein the client epoch value that is used to correlate the performance of the client device and the first-second service.

8. [Amended] The communication network of claim 7, wherein a first-third service has a corresponding service epoch value, whereby the first-third service causes the client device to take corrective action at the time that a mismatch is detected between the client epoch value and the service epoch value using executable commands embedded in the service point map.

9. [Amended] The communication network of claim 1, wherein a first-second service of the plurality of services causes the client device to perform actions using executable commands in the service point map.

10. [Original] The communication network of claim 1, wherein the service point map includes backup address information for a selected service identified in the service point map in the event that the selected service cannot be reached.

11. [Original] The communication network of claim 10, wherein the backup address information comprises address information for a service point map manager device.

12. [Original] The communication network of claim 10, wherein the backup address information comprises address information for an alternate server device providing the selected service.

13. [Amended] In a client/server communication network wherein a plurality of services are located on a plurality of servers operable to ~~connected to~~ the network, a server computer system for

generating a table listing of at least one services connected to the network and corresponding location information for each listed service of the at least one service, ~~where the table listing is wherein a first service of the at least one service is selected from the plurality of services~~ a larger listing of services connected to the network using a first partitioning scheme, and providing the table listing to a client computer system configured to access a second service of the at least one service using the table listing to obtain the corresponding location information for the second service.

14. [Amended] The server computer system of claim 13, wherein the server computer system ~~regularly~~ generates the table listing ~~of services~~ based on current service topology.

15. [Amended] The server computer system of claim 13, ~~further comprising a plurality of client computer system connected to the network, each of which~~ wherein the client computer system collects ~~a~~ the table listing ~~of services~~ from the server computer system upon connecting to the network.

16. [Amended] The server computer system of claim 13, wherein the first partitioning scheme is a functional partitioning of the plurality of services.

17. [Amended] The server computer system of claim 13, wherein further ~~comprising at least one client computer system that has identification data associated with the client and that has requested a table listing from the server computer system, wherein the first partitioning scheme is routing of services based on the~~ uses identification data associated with the client computer system to select the first service.

18. [Amended] The server computer system of claim 13, wherein the first partitioning scheme is ~~to partition the services by~~ uses a resource connection to select the first service.

19. [Amended] The server computer system of claim 13, wherein the first partitioning scheme is ~~to partition the services by~~ uses equivalency to select the first service.

20. [Amended] A method for a client process to access a plurality of services provided by a plurality of servers over a computer network using a dynamic service point map, comprising:

in response to a connection connecting by the client process to the computer network,
transferring a dynamic service point map to the client process from a first server
device of the plurality of servers, wherein the dynamic service point map
comprises a listing of ~~a first~~ at least one service of the plurality of services and
corresponding location information for each service of the first at least one
service plurality of services, and
~~connecting the client process is configured to connect to a first service of the at least~~
one service listed in the dynamic service point map using the corresponding
location information contained in the dynamic service point map to obtain the
corresponding location information for the first service.

21. [Amended] The method of claim 20 further comprising:
generating second location information for a second server on which a second service
is provided, and
publishing the second location information to the first server ~~device~~ for inclusion in
the dynamic service point map.

22. [Amended] The method of claim 20 further comprising transferring an
updated dynamic service point map to the client process upon ~~any~~ failure of the client
process to connect to a second service of the at least one service listed in the dynamic
service point map.

23. [New] A computer-readable medium comprising:
transferring instructions to transfer a dynamic service point map to a client process
from a first server of a plurality of servers in a network in response to the client
process connecting to the network, wherein
the dynamic service point map comprises a listing of at least one service of a
plurality of services and corresponding location information for each
service of the at least one service, and
the client process is configured to connect to a first service of the at least one
service listed in the dynamic service point map using the corresponding
location information in the dynamic service point map to obtain the
corresponding location information for the first service.

24. [New] The computer-readable medium of claim 23 further comprising:
generating instructions to generate second location information for a second server on
which a second service is provided, and
publishing instructions to publish the second location information to the first server for
inclusion in the dynamic service point map.

25. [New] The computer-readable medium of claim 23 further comprising:
second transferring instructions to transfer an updated dynamic service point map to
the client process upon failure of the client process to connect to a second
service of the at least one service listed in the dynamic service point map.

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A4
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